

References

- Andersson, H., N. G. Asp, A. Bruce, S. Roos, T. Wadstrom and A. E. Wold. (2001). Health effects of probiotics and prebiotics: A literature review on human studies. *Scandinavian Journal of Nutrition*, 45, 58-75.
- Anukam KC, EO. Osazuwa, HB. Osadolor, AW. Bruce and G. Reid. (2008). Yogurt containing probiotic *Lactobacillus rhamnosus* GR-1 and *L. reuteri* RC-14 helps resolve moderate diarrhea and increases CD4 count in HIV/AIDS patients. *Journak Clinical Gastroenterology*. 42 (3): 239-43.
- Baker, C.G.J. (1997). *Industrial drying of foods*. London: Blackie Academic & Professional.
- Beilecka, M. and A. Majkowska. (2000). Effect of spray drying temperature of yoghurt on the survival of starter cultures, moisture content and sensoric properties of yoghurt powder in Polish Academy of Sciences, Institute of Animal Reproduction and Food Research, Department of Food Microbiology, Olsztyn, Poland.
- Besselink MG, HC. van Santvoort and E. Buskens. (2008). Probiotic prophylaxis in predicted severe acute pancreatitis: a randomised, double-blind, placebo-controlled trial. *Lancet* 371 (9613): 651-9.
- Brady LJ, DD. Gallaher and FF. Busta. (2000). The role of probiotic cultures in the prevention of colon cancer. *Journal of Nutrition*. 130:410S-414S.
- Boyle RJ, FJ. Bath-Hextall, J. Leonardi-Bee, DF. Murrell and ML. Tang. (2008). Probiotics for treating eczema. *Cochrane Database Syst Rev* (4): CD006135.
- Braat H, J. van den Brande, E. van Tol, D. Hommes, M. Peppelenbosch and van C. P. Champagne, Y. Raymond, F. Mondou and J. P. Julien. (1995). Studies on the encapsulation of *Bifidobacterium longum* cultures by spray-coating or cocrystallization. *Bifidobacteria Microflora*, 14, 7-14.
- Brody, A. L. and K. S Marsh. (1997). "Encyclopedia of Packaging Technology", John Wiley & Sons.

- Casale, L., J. Henrique, A. Alegro, H.R. Cardarelli, M.C. Chiu, S.M.I. Saad. 2007. Potentially probiotic and synbiotic chocolate mousse. *LWT*. 40 : 669-675.
- Champagne, C.P., D. Roy and A. Lafond. (1997). Selective enumeration of *Lactobacillus casei* in yoghurt-type fermented milks based on a 15°C incubation temperature. *Biotechnology Techniques*, 11, 567-569.
- Christensen K, G. Pedersen and H. Kristensen. (2001). Preparation of redispersible dry emulsions by spray drying, *International Journal of Pharmaceutics*, 212, 187-194.
- Corcoran, B., C. Stanton , S. Miao, G.F. Fitzgerald and R.P. Ross. (2006). Water properties of food, pharmaceutical, and biological materials in viability of probiotic bacteria as affected by drying. New York, CRC Taylor & Francis.
- Dave, R.I. and N.P. Shah. (1997). Viability of yoghurt and probiotic bacteria in yoghurts made from commercial starter culture. *Tnt. Dairy J.* 7; 31-41.
- De Valdez, G.F., G.S. deGiori, A.P. deRuiz Hulgade and G. Oliver. (1985). Effect of drying medium on residual moisture content and viability of freeze-dried lactic acid bacteria. *Applied Environment Microbiology*, 49(2), 403-413.
- Deventer S. (2004). *Lactobacillus rhamnosus* induces peripheral hyporesponsiveness in stimulated CD4+ T cells via modulation of dendritic cell function. *Am J Clin Nutr.* 80:1618-25.
- Doron SI, PL. Hibberd and SL.Gorbach. (2008). Probiotics for prevention of antibiotic-associated diarrhea. *J Clin Gastroenterol.* 42:S58-63.
- Espositoa E, F. Cervellatib, E. Menegattia, C. Nastruzzic and R. Cortesia. (2002). Spray dried Eudragit micro particles as encapsulation devices for vitamin C, *International Journal of Pharmaceutics*, 242, 329-334.
- Famularo G, M. Perluigi, M. Pieluigi, R. Coccia, P. Mastroiacovo and C. De Simone. (2001). Microecology, bacterial vaginosis and probiotics: perspectives for bacteriotherapy. *Med. Hypotheses* 56 (4): 421-30.
- Famularo G, C. De Simone, V. Pandey, AR. Sahu and G. Minisola. (2005). *Probiotic lactobacilli*: an innovative tool to correct the malabsorption syndrome of vegetarians?. *Med. Hypotheses* 65 (6): 1132-5.

- FAO/WHO (2001). Report on Joint FAO/WHO Expert Consultation on evaluation of health and nutritional properties of probiotics in food including powder milk with live lactic acid bacteria, <http://www.fao.org/es/ESN/Probio/probio.htm>
- Foster, E. M. (1962). VI Culture preservation. *Journal Dairy Science*, 45, 1290.
- Fuller, R. (1991) Probiotics in human medicine. *Gut*, 32, 439-442.
- Gardiner, G. E., O' E. Sullivan, J. Kelly, M. A. E. Auty, G. F. Fitzgerald, J.K. Collins, R. P. Ross and C. Stanton. (2000). Comparative survival rates of human-derived probiotic *Lactobacillus paracasei* and *L. salivarius* strains during heat treatment and spray drying. *Applied and Environmental Microbiology*, 66, 2605-2612.
- Gilliland, S.E. (1981). Factors affecting cottage cheese starter cultures. *Cultured Dairy Product Journal*, 16(1), 15-20.
- Gilliland SE and DK. Walker. (1990). Factors to consider when selecting a culture of *Lactobacillus acidophilus* as a dietary adjunct to produce a hypocholesterolemic effect in humans. *Journal of Dairy Science*. 73(4) (4): 905-11.
- Gillian E. Gardinera, P. Bouchiera, E. O'Sullivanb, J. Kellya, J.K. Collinsb, G. Fitzgeraldb, R.P. Rossa and C. Stanton. (2002). A spray-dried culture for probiotic Cheddar cheese manufacture, *International Dairy Journal*, 12, 749-756.
- Guarner, F. and G. J. Schaafsma. (1998). Probiotics. *International Journal Food Microbiology*, 39, 237-238.
- Hatakka K, E. Savilahti and A. Ponka. (2001). Effect of long term consumption of probiotic milk on infections in children attending day care centres: double blind, randomised trial. *BMJ* 322 (7298): 1327.
- Hickson M, AL. D'Souza and N. Muthu. (2007). Use of probiotic *Lactobacillus* preparation to prevent diarrhoea associated with antibiotics: randomised double blind placebo controlled trial. *BMJ* 335 (7610): 80.

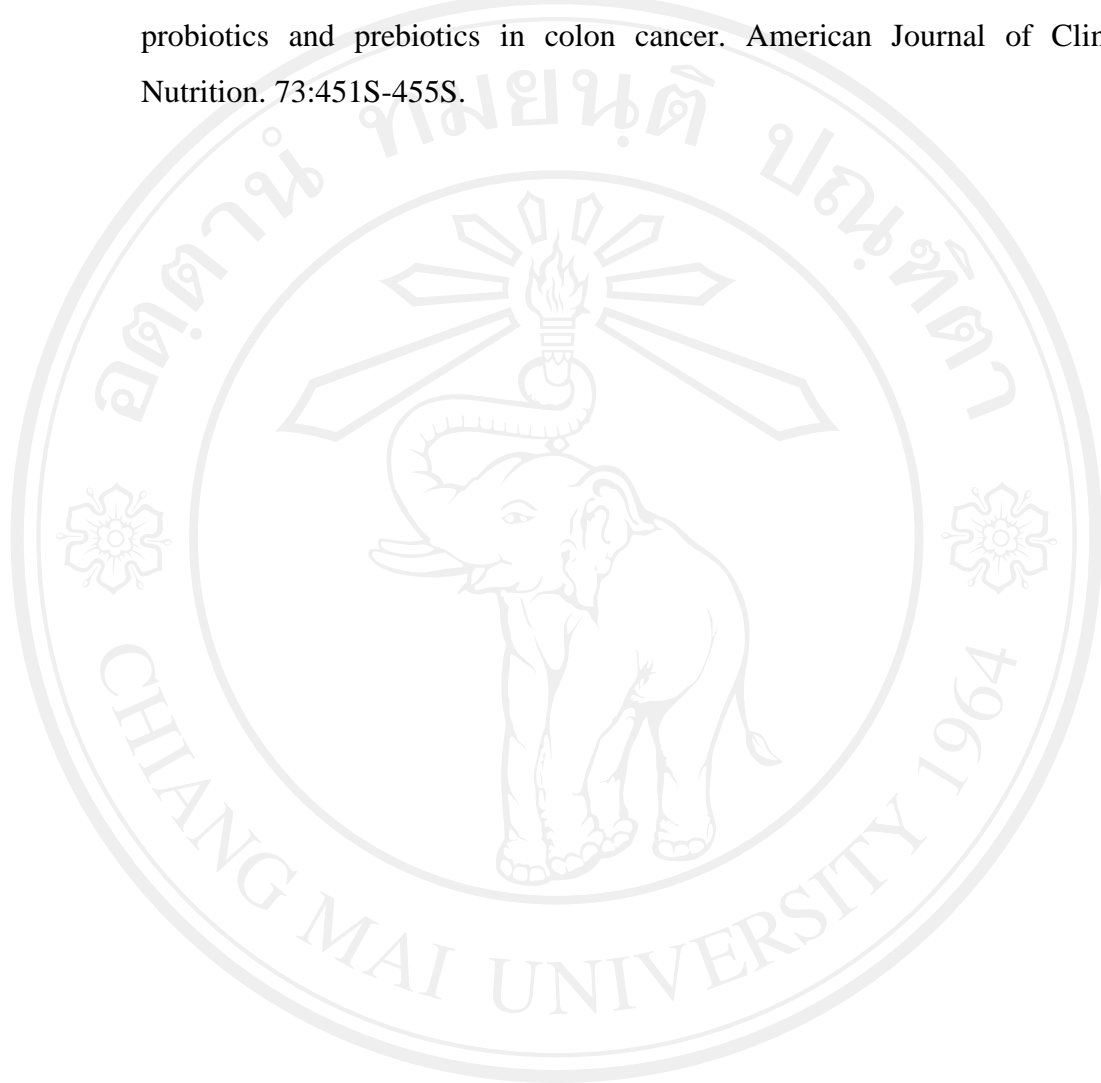
- Hirofumi, Takehiko, Tomoaki, Hiromitsu and Yoshiaki. (1998). Spray-dried composite particles of lactose and sodium alginate for direct tableting and controlled releasing, *International Journal of Pharmaceutics*, 174, 91-100.
- Hitti, Miranda. (2006). Probiotics May Help Stressed Gut.
<http://www.webmd.com/content/article/121/114283.htm>. Retrieved 2006-10-24.
- Huges, D.B. and D.G. Hover. (1991). Bifidobacteria : Their potential for use in America dairy products. *Food Technol.* 45(4) : 74-83.
- Hui T, C. Wah and P. Heng. (2008). Rapid and convenient microsphere sizing, *Pharmaceutical Technology Asia Pacific*, 2(3), 25-29.
- Ishibashi, N. and S. Shimamura. (1993). Bifidobacteria: research and development in Japan. *Food Technology*, 46, 126-135.
- Johnson, J. A. C. and M. R. Etzel. (1993). Inactivation of lactic acid bacteria during spray drying, *In* G. V. Barbosa-Canovas and M. R. Okos (ed.), *Food dehydration*. Institute of Chemical Engineering, New York, N.Y., 98-107.
- Kebary, K.M.K. (1996). Viability of *Bifadobacterium* and its effect on quality of frozen zabady. *Food Res. Intl.* 29; 431-437.
- Kilcast, D. and P. Subramaniam. (2000). *Milk and milk product in stability and shelf life of food*. New York: CRC Press.
- Kim C, Y. Yoon and J. Kong. (1995). Preparation and evaluation of flurbiprofen dry elixir as a novel dosage form using a spray-drying technique, *International Journal of Pharmaceutics*, 120, 21-31.
- Kim, S.S. and S.R. Bhowmik. (1990). Survival of lactic acid bacteria during spray drying of plain yoghurt. *Journal of Food Science*, 55, 1008-1010.
- Knorr, D. (1998). Technology aspects related to microorganisms in functional foods. *Trends in Food Science and Technology*, 9, 295-306.
- Kirjavainen PV, SJ. Salminen and E. Isolauri. (2003). Probiotic bacteria in the management of atopic disease: underscoring the importance of viability. *Jouenal of Pediatric Gastroenterology and Nutrition*. 36 (2): 223-7.

- Lachman L, H. Lieberman and J. Kanig.(1991). *Drying, The Theory and Practice of Industrial Pharmacy*. Varghese Publishing House, Bombay. 60-61.
- Lee, Y.L. and S. Saminen. (1996). The coming age of probiotic. *Trends. Food. Sci. Technol.* 6 ; 241-245.
- Ljungh A. and T. Wadstrom. (2009). *Lactobacillus Molecular Biology: From Genomics to Probiotics*. Caister Academic Press.
- Lian, W.C., H.C. Hsiao and C.C. Chou. (2002). Survival of bifidobacteria after spray drying. *International Journal of Food Microbiology*, 74, 79-86.
- Lim, K., C.S. Huh and Y.J. Baek. (1993). Antimicrobial susceptibility of *bifidobacteria*. *J. Dairy Sci.* 76(8) : 2168-2174.
- Maria-Ine's Re'. *Formulating Drug Delivery Systems by Spray Drying*, *Drying Technology* 2006, 24, 433-446.
- Master, K. (1991). *Spray drying handbook*. Harlow, Essex: Longman Scientific and Technical.
- Mishra, V. and N. Prasad. (2005). Application of *in vitro* methods for selection of *Lactobacillus casei* strain as potential probiotics. *Int. J. Food Microbiol.* 103 : 109-115.
- Morichi, T. (1974). Preservation of lactic acid bacteria by freeze-drying. *Japan Agric. Res. Quarterly*, 8(3), 171-176.
- Mujumdar, A.S. (1995). Industrial spray drying system. in *Handbook of Industrial*, (pp 263-309). New York: Academic Press.
- Muir, D.D. and J.M. Banks. (2000). Milk and Milk products. in *The stability and shelf life of food*. Kilcast, D. and Subraminiam, P. (eds.). England: Woodhead Publishing Limited.
- Nakazawa, Y. and A. Hosono. (1992). *Functions of fermented milk*. Translated by Howells, B.W. Elsevier Science Publishers Ltd., England.
- Nase L, K. Hatakka and E. Savilahti. (2001). Effect of long-term consumption of a probiotic bacterium, *Lactobacillus rhamnosus* GG, in milk on dental caries and caries risk in children. *Caries Res.* 35 (6): 412-20.

- Nighswonger, B.D., M.M. Brashears and S.E. Gilland. (1996). Viability of *Lactobacillus casei* in fermented milk products during refrigerated storage. *Journal of Dairy Science*, 79, 212-219.
- Onwulata, C. (2005) Milk powder in Encapsulated and powdered foods, (pp. 387-434). New York: Taylor & Francis
- Palmieri G, P. Wenrle and A. Stamm. (1994). Evaluation of spray-drying as a method to prepare micro particles for controlled drug release, *Drug Development and Industrial Pharmacy*, 20(18), 2859-2879.
- Palmieri G, G. Bonacucina, P. Martino and S. Martelli. (2001). Spray-Drying as a Method for Microparticulate Controlled Release Systems Preparation: Advantages and Limits. I. Water-Soluble Drugs, *Drug Development and Industrial Pharmacy*, 27(3), 195-204.
- Parikh, D. (1997). Spray drying as a granulation Technique; In: *Handbook of Pharmaceutical Granulation*
- Picot, A. and C. Lacroix. (2004). Encapsulation of bifidobacteria in whey protein-based microencapsules and survival in simulated gastrointestinal conditions and in yoghurt. *International Dairy Journal*, 14, 505.
- Reid G. (2001). Probiotic agents to protect the urogenital tract against infection. *American Journal of Clinical Nutrition*. 73:437S-443S.
- Reid G, J. Jass, MT. Sebulsky and JK. McCormick. (2003). Potential uses of probiotics in clinical practice. *Clinical Microbiology*. 16 (4): 658-72.
- Rodger, S. 2007. Incorporation of probiotic cultures in foodservice products: an exploratory study. *Journal of foodservice*. 18 : 208-118.
- Salminen, S., A.C. Ouwehand and E. Isolauri. (1999). Probiotics : How should they be defined? *Trends in Food Science & Technology*, 10, 107-110.
- Sanders, ME. (2000). Considerations for use of probiotic bacteria to modulate human health. *Journal of Nutrition*. 130:384S-390S.
- Sazawal S, G. Hiremath, U. Dhingra, P. Malik, S. Deb and RE. Black. (2006). Efficacy of probiotics in prevention of acute diarrhoea: a meta-analysis of masked, randomised, placebo-controlled trials. *Lancet Infect Dis*. 6(6):374-82.

- Shah N. P. (2007) . Functional cultures and health benefits. *International Dairy Journal*. 17 : 1262–1277.
- Shanahan, F. (2000). Probiotics and inflammatory bowel disease: Is there a scientific rationale? *Inflammatory Bowel Disease*, 6, 107-115.
- Srikanjana, K., O. Siriporn, S. Jakkapan and V. Helmut. (2008), Comparative probiotic properties of *Lactobacillus fermentum* isolated from Thai traditional fermented foods: miang and nham. *Journal of Biological Science*, 3(9), 1119-1124.
- Stanton, C., G. Gardiner, H. Meehan, K. Collins, G. F. Fitzgerald, P. B. Lynch and R. P. Ross. (2001). Market potential for probiotics. *American Journal of Clinical Nutrition*, 73, 476S-483S.
- Steven H, W. Wu, D. Wyatt and M. Adams. (1997). Chemistry and Application of Cellulosic Polymers for Enteric Coating of Solid Dosage forms; In: *Aqueous Polymeric Coatings for Pharmaceutical Dosage forms, Drugs and the Pharmaceutical Sciences*, Marcel Dekker.1997, 385-418.
- Tannock, G. W. (2002). Probiotics a critical review. England: Horizon Scientific Press.
- Teixeira, P., H. Castro, and R. Kirby. (1995a). Spray drying as a method for preparing concentrated cultures of *Lactobacillus bulgaricus*. *Journal of Application Bacteriology*, 78, 456-462.
- Teixeira, P. C., M. H. Castro, F. X Malcata, and R. M. Kirby. (1995b). Survival of *Lactobacillus delbrueckii* ssp. *bulgaricus* following spray drying. *Journal of Dairy Science*, 78, 1025-1031.
- Triamchanchoochai, S. (2002). Microencapsulation of *Lactobacillus fermentum* 71.11. Thesis of master degree of Biopharmaceutical science. Faculty of Graduate studies. Mahidol University. Pp 7-8.
- Wang, Y.C., R.C. Yu and C.C. Chou. (2004). Viability of lactic acid bacteria and bifidobacteria in fermented soymilk after drying, subsequent rehydration and storage. *International Journal of Food Microbiology*, 93, 209-217.

Wollowski, I., G. Rechkemmer and BL. Pool-Zobel. (2001). Protective role of probiotics and prebiotics in colon cancer. American Journal of Clinical Nutrition. 73:451S-455S.



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